LCD TV CONVERTER/ TUNER
USER MANUAL
MODEL 176156

MANHATTAN

MAN-176156-UM-1206-02

Thank you for purchasing the MANHATTAN® LCD TV Converter/Tuner, Model 176156, which brings full-screen, high-resolution and home entertainment-quality viewing to existing LCD/CRT monitors, plasma displays and projectors. Installation requires no special hardware, software or drivers, with a single connection made directly to a VGA-compliant monitor or projector.

Package contents: LCD TV Converter/Tuner with stand; remote control (battery included); 8-pin to DB15 and audio cables; power adapter; user manual.

FCC Information:

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Subpart J of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

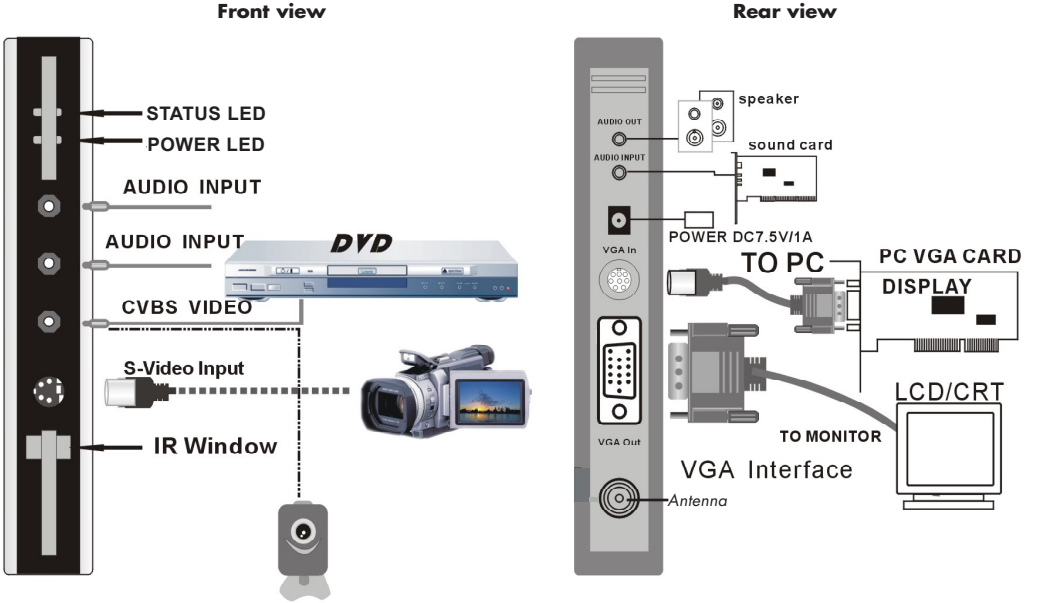
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from the receiver's.
- Consult the dealer or an experienced radio/television technician for help.

FCC Warning: To ensure continued FCC compliance, the user must use a grounded power supply core and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC(5) cable. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

HARDWARE INSTALLATION

1. Turn off the power on the LCD TV Converter/Tuner and the computer monitor.
2. Connect the LCD TV Converter/Tuner to the computer and the monitor.
3. Connect the sound enclosure or any other device that has a sound input jack (such as a sound card's Line In port) to the converter/tuner's Line Out port.
4. Connect the cable TV antenna to the converter/tuner's antenna input.
5. Connect the AC/DC power adapter to the converter/tuner, then plug the power adapter into an AC power outlet. The converter/tuner will automatically power up.
6. Connect the Video and/or S-Video Input to the selected video unit's (DVD, VCD, VCR, PS2, Gamestation, etc.) Video Ouput.

IMPORTANT: It is necessary to initialize the LCD TV Converter/Tuner prior to use. First, go to the menu and select "Search," then click "Menu." This starts a one-time auto-scan of all channels. The procedure should take 5-10 minutes. The Status LED will blink during the procedure.


Front view
STATUS LED
POWER LED
AUDIO INPUT
AUDIO INPUT
DVD
CVBS VIDEO
S-Video Input
IR Window
Rear view
AUDIO OUT
speaker
AUDIO INPUT
sound card
VGA In
POWER DC7.5V/1A
TO PC
PC VGA CARD
DISPLAY
LCD/CRT
TO MONITOR
VGA Out
VGA Interface
Antenna

MANHATTAN

REMOTE CONTROL BUTTONS & KEY IDENTIFICATION

① Mute on/off.

② Power on/off.

③ Channel number keys.

④ Number up/down.

⑤ Return to previous channel.

⑥ Image controls and adjustments, such as Brightness, Color, etc.

⑦ CRT/LCD menu display.

⑧ Resolution adjustment.

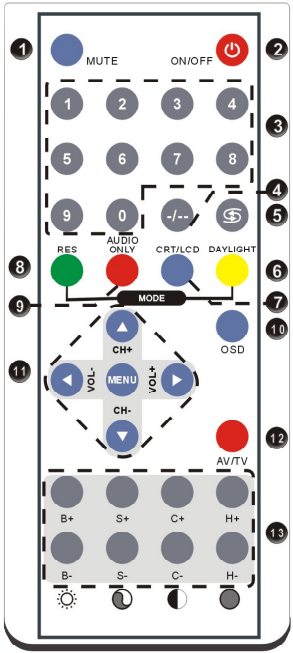
⑨ Audio only.

⑩ On-Screen Display on/off.

⑪ Channel up/down, volume up/down and menu select.

⑫ AV/TV Video source select: TV/PC, VGA, CVBS/S-Video.

⑬ Brightness, Saturation, Contrast and Hue controls.



MENU OPTIONS

Press the "Menu" button to use the menu. Press the "Channel up/down" buttons to highlight the option you want, then press "Menu" to select that option. Press the "Volume up/down" buttons to change the values/settings of the menu option, then highlight "Exit" and press "Menu" when done.

Color options:	Brightness; Contrast; Saturation; Hue.
Video options:	Standard (PAL/NTSC/SECAM); Return (up to previous menu level).
Channel options:	TV System Standard (NTSC/PAL, M/PAL, N/PAL, B-G/PAL, D-K depending on the tuner); Auto Scan (for channel viewing: high speed recommended); Full Scan (full frequency scan: low speed); Fine Tune (for finely adjusting the frequency of the current channel); Skip (the current channel); Return.
Display options:	VGA (640 x 480); SVGA (800 x 600); XGA (1024 x 768); SXGA (1280 x 1024); W1440S; W1280S; W1440P; Return.
OSD options:	Pos. X (On-Screen Display movie X); Pos. Y (On-Screen Display movie Y); Return.
Language options:	English; Chinese; Portuguese.

TROUBLESHOOTING

Problem:	No picture or sound (not even "noise").
Suggestions:	If the Power LED is off, check the connection of the AC/DC power adapter.
	If the Power LED is on, check the connections to the monitor and sound device.

Problem: The picture is okay, but there is no sound (not even "noise").
Suggestions: Check the connection to the sound device.
Check the volume settings (including the Mute function).

Problem: The sound is okay, but there is no picture.
Suggestions: Check the connection between the monitor and the LCD TV Converter/Tuner.
Check that the monitor is on and not in a power-saving mode.
Confirm that the monitor can support high resolution: Press "Res" and wait a moment to see if it's okay, or press "Res" again to change to a different setting.

Problem: There is no color in the picture.
Suggestions: Check the Saturation setting.
Increase the TV cable signal.

Problem: The remote control doesn't work.
Suggestion: If the batteries are okay, remove any dust from the sender surface.

SPECIFICATIONS

- Resolution output: 640 x 480, 800 x 600, 1024 x 768, 1280 x 1024/1440 x 960 (60 Hz)
- Monitor support: VGA/SVGA/XGA/SXGA (VGA input port required)
- Power adapter: 110 – 240 V AC, 7.5 V / 1 A DC; cable, 1.4 m (4.5 ft.)
- Video standards: NTSC/PAL/SECAM (for composite & S-video)
- Input ports: coaxial (RF), composite video, S-video, composite audio, PC sound card line-out and 7.5 V / 1 A power port
- Output ports: VGA 15-pin DB and audio output to speaker (or sound card line-in)
- Dimensions: 10 x 18 x 2.8 cm (3.9 x 7.1 x 1.1 in.); 252 g (8.9 oz.)

MANHATTAN® offers a complete line of PC Components, Peripherals, Cables and Accessories. Ask your local computer dealer for more information or visit us online at

www.manhattan-products.com

Copyright © MANHATTAN
All products mentioned are trademarks or registered trademarks of their respective owners.